Title (en)
METHOD AND SYSTEMS OF DETERMINING VIABLE HYDRAULIC FRACTURE SCENARIOS

Title (de)
VERFAHREN UND SYSTEME ZUR BESTIMMUNG LEBENSFÄHIGER HYDRAULISCHE FRAKTURSZENARIEN

Title (fr)
PROCÉDÉ ET SYSTÈMES DE DÉTERMINATION DE SCENARII DE FRACTURE HYDRAULIQUE VIABLES

Publication
**EP 2678717 A4 20180117 (EN)**

Application
**EP 11859407 A 20110223**

Priority
US 2011025800 W 20110223

Abstract (en)
[origin: WO2012115630A1] Determining viable hydraulic fracture scenarios. At least some of the illustrative embodiments include: executing a fracture planning program, and determining a set of schedules from the fracture planning program, each schedule comprising a volume of fracture fluid, amount of proppant, and flow rate of the fracture fluid; providing each schedule of the set of schedules to a stress analysis program, executing the stress analysis program, and determining a set of indications from the stress analysis program, each indication indicative of whether a respect schedule exceeds engineering limits of a tubing string; and providing at least some of the schedules to a fracture simulation program, executing the fracture simulation program, and determining a set of fracture geometries from the fracture simulation program, each fracture geometry corresponding to a respective schedule.

IPC 8 full level
**G01V 9/00** (2006.01); **E21B 41/00** (2006.01); **E21B 43/26** (2006.01); **E21B 47/00** (2012.01); **G06F 19/00** (2018.01)

CPC (source: EP US)
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Citation (search report)
- [X] WO 2008036153 A2 20080327 - EXXONMOBIL UPSTREAM RES CO [US], et al
- See references of WO 2012115630A1

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**WO 2012115630 A1 20120830**; AR 085104 A1 20130911; AU 2011360239 A1 20130905; AU 2011360239 B2 20141023; BR 112013021608 A2 20190924; CA 2825430 A1 20120830; CA 2825430 C 20161025; CN 103392054 A 20131113; CN 103392054 B 20161012; EA 025473 B1 20161230; EA 201391210 A1 20140228; EP 2678717 A1 20140101; EP 2678717 A4 20180117; MX 2013009739 A 20130916; US 2013304444 A1 20131114; US 8855988 B2 20141007

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**US 2011025800 W 20110223**; AR P120100325 A 20120201; AU 2011360239 A 20110223; BR 112013021608 A 20110223; CA 2825430 A 20110223; CN 201180068397 A 20110223; EA 201391210 A 20110223; EP 11859407 A 20110223; MX 2013009739 A 20110223; US 201113981357 A 20110223